Section I - Product Identification

A stabilized, aqueous solution of hydrogen peroxide.

Section II - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin, eyes and respiratory tract.

Safety Ratings

- **Health:** Slight
- **Flammability:** None
- **Reactivity:** None
- **Contact:** Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

- Health = 0
- Flammability = 0
- Reactivity = 1

Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other dilute peroxides. 3% hydrogen peroxide is not expected to present health problems under normal circumstances

- **Inhalation:** Not likely to be an issue. May be irritating
- **Ingestion:** While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.
- **Skin contact:** Not normally a problem
- **Eye contact:** May be irritating
- **Chronic Exposure:** Unknown
- **Aggravation of preexisting conditions:** Unknown

Section III - Composition/Information on Components

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>OSHA Pel</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1 ppm TWA (air)</td>
<td>1 ppm TWA (air)</td>
<td>3% w/v</td>
<td></td>
</tr>
</tbody>
</table>

Section IV - First Aid Measures

- **Inhalation:** Unlikely to be an issue. Remove from source of exposure and get medical attention for any breathing difficulty.
- **Ingestion:** Unlikely to be an issue. Get medical advice for exceptional cases.
- **Skin Contact:** Unlikely to be an issue. Wash affected area with soap and water. Get medical advice if irritation develops.
- **Eye Contact:** Rinse thoroughly with running water. Get medical advice if irritation develops.
Section V - Fire Fighting Measures

*Flash point:* Not applicable.

*Flammable Limits:* Not applicable.

*Fire:* Not normally a fire hazard.

*Explosion:* Not normally an explosion hazard.

*Fire Extinguishing Media:* Any means suitable for surrounding fire.

*Special information:* Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable inert absorbent and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

*Airborne Exposure Limits:* See section III.

*Ventilation System:* Usually not required. When required, Refer to the ACGIH document, “Industrial Ventilation, a Manual of Recommended Practices” for details about ventilation.

*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.

*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

*Boiling Point:* 100°C

*Vapor pressure (mm Hg):* 18 @ 20°C

*Vapor Density (air = 1):* 0.6

*VOC:* 0 g/l

*Appearance and Odor:* A clear, colorless, odorless liquid.

Section X - Stability and Reactivity

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Will liberate large amounts of oxygen.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

*Conditions to avoid:* Excessive cold/heat and light.

Section XI - Toxicological Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>NTP?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>3</td>
</tr>
</tbody>
</table>

Section XII - Ecological Information

*Environmental Fate:* Biodegradable

*Environmental Toxicity:* None
Section XIII - Disposal Considerations

Not normally restricted but ultimate authority resides with local government agencies. Insure compliance with all government regulation.

Section XIV - Transportation Information

Not regulated.

Section XV - Regulatory Information

<table>
<thead>
<tr>
<th>Chemical Inventory Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingredient</strong></td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Federal, State and International Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingredient</strong></td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No  
TSCA 12(b): No  
CDTA: No

SARA 311/312: Acute: Yes, Chronic: No, Fire: No, Pressure: No

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: May 1, 2015